Abstract

Cloud Computing has become interesting area among the IT industries. It is a collection of interconnected virtual machines as to serve pay per use model as per the demand and requirements of the users. The main aim of cloud computing is to provide efficient resources to each cloud user who are participating in the network. Cloud computing have various challenges like data sharing, load balancing, information retrieval, security etc. This attempt focuses on load balancing factor for cloud computing by using Ant Colony Optimization. Load Balancing is used to distribute the heavy workload among nodes to all other nodes in cloud environment. It is very helpful for cloud users to achieve proper resource utilization and also maintain fault
tolerance using different algorithms like Min Max algorithm, ACO algorithm. In this paper, brief review an introduction of ACO algorithm for cloud computing is presented. Further this paper focuses on load balancing techniques algorithms and also discusses its architecture in depth. This paper would be beneficial for researchers of the domain.

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**Index Terms**

Computer Science  
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**Keywords**

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